

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P567480

Luminaire Tested: **8SNX-162HL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567480  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-162HL-SLW-UNV-L940-CD  
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

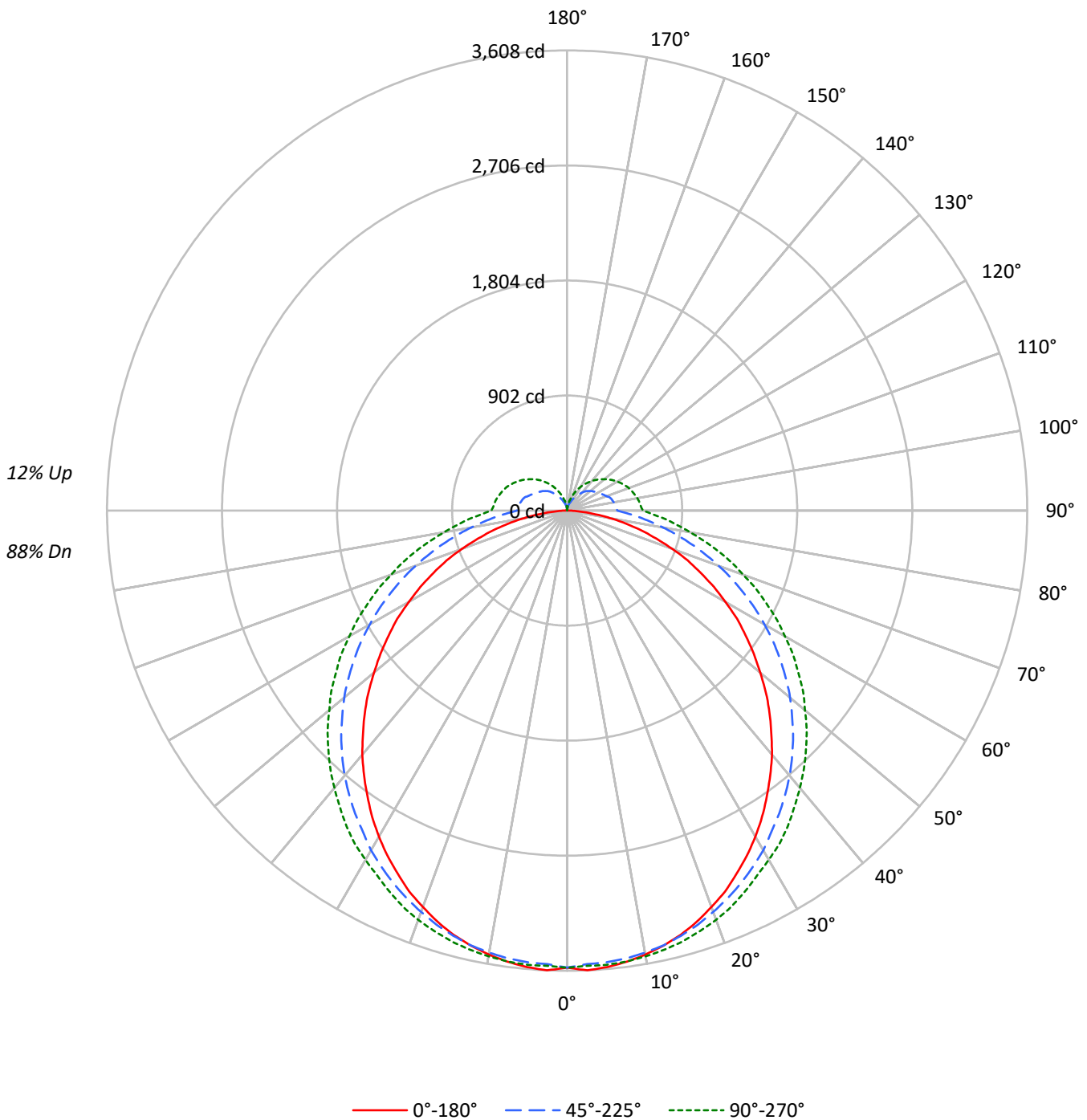
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12902.0 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct  
  
Input Watts (W): 110.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	19287	19287	19287
5°	19391	18808	18768
10°	19284	18447	18319
15°	19127	18058	17895
20°	18872	17630	17454
25°	18567	17200	16951
30°	18235	16769	16488
35°	17812	16285	16089
40°	17405	15843	15601
45°	16910	15353	15137
50°	16336	14830	14607
55°	15792	14219	14077
60°	15162	13555	13469
65°	14395	12798	12819
70°	13419	11943	12073
75°	12032	10958	11388
80°	10090	9985	10523
85°	7320	9127	9959



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	340.2	2.6
10°-20°	978.7	7.6
20°-30°	1488.8	11.5
30°-40°	1810.2	14.0
40°-50°	1915.2	14.8
50°-60°	1795.2	13.9
60°-70°	1476.9	11.4
70°-80°	1021.9	7.9
80°-90°	568.2	4.4
90°-100°	374.3	2.9
100°-110°	335.7	2.6
110°-120°	277.8	2.2
120°-130°	214.8	1.7
130°-140°	152.1	1.2
140°-150°	91.7	0.7
150°-160°	44.0	0.3
160°-170°	14.4	0.1
170°-180°	1.8	0.0
0°-30°	2807.7	21.8
0°-40°	4617.9	35.8
0°-60°	8328.3	64.6
0°-90°	11395.3	88.3
90°-120°	987.9	7.7
90°-150°	1446.5	11.2
90°-180°	1507.0	11.7
0°-180°	12902.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3584	3584	3584	3584	3584	
5°	3592	3586	3555	3584	3575	341
15°	3442	3453	3451	3498	3498	970
25°	3142	3186	3224	3294	3296	1448
35°	2731	2804	2899	2992	3018	1709
45°	2245	2362	2506	2618	2649	1730
55°	1708	1860	2039	2167	2212	1529
65°	1156	1321	1527	1677	1723	1146
75°	601	776	1003	1162	1226	638
85°	133	329	557	711	773	153
90°	2	186	393	541	594	9
95°	2	177	382	524	574	2
105°	2	152	358	493	537	2
115°	4	133	303	438	486	4
125°	4	113	258	373	420	4
135°	4	88	216	307	345	3
145°	4	64	150	232	261	3
155°	7	44	93	148	172	3
165°	7	29	51	68	88	2
175°	7	11	16	16	9	1
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3583.7	3583.7	3583.7	3583.7	3583.7
2.5°	3608.0	3596.9	3559.4	3583.7	3572.6
5°	3592.5	3585.9	3555.0	3583.7	3574.8
7.5°	3568.2	3566.0	3541.7	3574.8	3566.0
10°	3535.1	3539.5	3519.6	3555.0	3548.3
12.5°	3493.1	3499.7	3490.9	3530.7	3526.2
15°	3442.3	3453.3	3451.1	3497.5	3497.5
17.5°	3380.4	3395.9	3404.7	3457.7	3457.7
20°	3307.5	3331.8	3349.5	3406.9	3415.8
22.5°	3234.6	3263.3	3289.8	3349.5	3362.7
25°	3141.8	3186.0	3223.5	3294.2	3296.5
27.5°	3051.2	3099.8	3150.6	3219.1	3225.8
30°	2951.8	3013.6	3075.5	3141.8	3161.7
32.5°	2845.7	2914.2	2982.7	3071.1	3097.6
35°	2730.8	2803.8	2898.8	2991.6	3018.1
37.5°	2616.0	2697.7	2808.2	2903.2	2927.5
40°	2498.9	2589.4	2713.2	2810.4	2839.1
42.5°	2368.5	2479.0	2611.5	2715.4	2748.5
45°	2244.8	2361.9	2505.5	2618.2	2649.1
47.5°	2114.4	2238.1	2392.8	2512.1	2547.5
50°	1975.2	2116.6	2282.3	2401.6	2434.8
52.5°	1844.9	1988.5	2163.0	2286.7	2333.1
55°	1707.9	1860.3	2039.3	2167.4	2211.6
57.5°	1579.7	1725.6	1917.8	2045.9	2101.2
60°	1433.9	1595.2	1787.4	1926.6	1970.8
62.5°	1296.9	1460.4	1659.3	1802.9	1853.7
65°	1155.5	1321.2	1526.7	1676.9	1723.3
67.5°	1023.0	1186.5	1396.4	1544.4	1604.0
70°	877.1	1049.5	1263.8	1416.2	1467.1
72.5°	733.5	912.5	1131.2	1294.7	1352.2
75°	601.0	775.5	1003.1	1162.2	1226.2
77.5°	472.8	649.6	879.3	1042.8	1098.1
80°	344.7	530.3	764.5	925.7	978.8
82.5°	227.6	422.0	654.0	815.3	872.7
85°	132.6	329.2	556.8	711.4	773.3
87.5°	57.4	249.7	466.2	618.6	669.5
90°	2.2	185.6	393.3	541.3	594.3
92.5°	2.2	181.2	384.4	530.3	581.1
95°	2.2	176.8	382.2	523.6	574.4
97.5°	2.2	174.5	377.8	519.2	567.8
100°	2.2	167.9	371.2	510.4	559.0
102.5°	2.2	159.1	364.6	501.5	547.9
105°	2.2	152.4	357.9	492.7	536.9
107.5°	2.2	145.8	346.9	481.7	525.8
110°	2.2	139.2	329.2	470.6	514.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	137.0	315.9	455.1	501.5
115°	4.4	132.6	302.7	437.5	486.1
117.5°	4.4	130.4	291.6	419.8	470.6
120°	4.4	123.7	280.6	404.3	452.9
122.5°	4.4	117.1	269.5	388.9	437.5
125°	4.4	112.7	258.5	373.4	419.8
127.5°	4.4	106.1	249.7	357.9	399.9
130°	4.4	101.6	238.6	340.3	382.2
132.5°	4.4	95.0	227.6	322.6	362.3
135°	4.4	88.4	216.5	307.1	344.7
137.5°	4.4	79.5	203.3	289.4	324.8
140°	4.4	72.9	185.6	271.8	304.9
142.5°	4.4	68.5	167.9	251.9	282.8
145°	4.4	64.1	150.2	232.0	260.7
147.5°	4.4	59.7	134.8	212.1	238.6
150°	4.4	53.0	119.3	194.4	216.5
152.5°	6.6	48.6	106.1	172.3	194.4
155°	6.6	44.2	92.8	148.0	172.3
157.5°	6.6	39.8	79.5	123.7	150.2
160°	6.6	35.4	68.5	101.6	128.1
162.5°	6.6	33.1	59.7	84.0	108.3
165°	6.6	28.7	50.8	68.5	88.4
167.5°	6.6	22.1	42.0	53.0	72.9
170°	6.6	17.7	33.1	37.6	55.2
172.5°	6.6	13.3	24.3	26.5	28.7
175°	6.6	11.0	15.5	15.5	8.8
177.5°	6.6	8.8	8.8	8.8	4.4
180°	4.4	4.4	4.4	4.4	4.4

(END OF REPORT)